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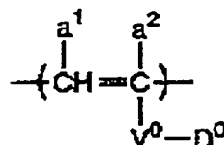
APPLICATION DATE : 10-03-97
 APPLICATION NUMBER : 09072642

APPLICANT : FUJI PHOTO FILM CO LTD;

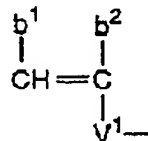
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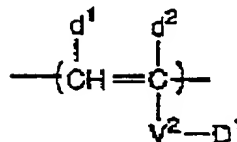
TITLE : OILY INK FOR INK JET TYPE PLATE
 MAKING OF PRINTING PLATE



I



II



III

ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject product excellent in re-dispersion property, preservation stability and printing resistance by dispersing specific resin particles in a non-aqueous carrier liquid.

SOLUTION: This oily ink for an ink jet type plate making of a printing plate, is obtained by dispersion resin particles obtained by polymerizing and granulating a solution containing (A) a mono-functional monomer soluble to a non-aqueous solvent and becoming insoluble by its polymerization, (B) a monofunctional macromonomer in which a polymerizable double bond of formula II (V^1 is COO, phenylene, etc.; b^1 , b^2 are each a^1) bonds only to one side of the terminals of a polymer main chain consisting of a unit of formula I (V^0 is COO, OCO, etc.; a^1 , a^2 are each H, cyano, etc.; D^0 is an 8-22C hydrocarbon, etc.), and (C) a comb type copolymer having a monofunctional macromonomer bonded with a polymerizable double bond to the one side of terminal of the polymer main chain as a copolymeric component as a non-aqueous soluble dispersion stabilizing resin having a unit of formula III (V^2 is COO, O, etc.; d^1 , d^2 are each a^1 ; D^1 is a 10-32C alkyl or an alkenyl) in main chain and/or comb part thereof, and dispersing the resin particles in a non-aqueous carrier liquid having $>10^9 \Omega \text{cm}$ electric resistance and ≤ 3.5 dielectric constant.

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